

Building Materials MCQ Question Answer

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Question: 1. For melting one tonne of cast iron

- Option A. 700 m³ air is required
- Option B. 20 kg limestone is required
- Option C. One quintal coke is required
- Option D. All the above

Question: 2. Turpentine oil is used in paints as

- Option A. Thinner
- Option B. Vehicle
- Option C. Base
- Option D. Drier

Question: 3. The internal size of mould used in brick preparation is

- Option A. Equal to the size of a fully burnt brick
- Option B. Smaller than the size of a fully burnt brick
- Option C. Greater than the size of a fully burnt brick
- Option D. None of the above

Question: 4. The slump recommended for mass concrete is about

- Option A. 25 mm to 50 mm
- Option B. 50 mm to 100 mm
- Option C. 100 mm to 125 mm
- Option D. 125 mm to 150 mm

Question: 5. Bitumen felt is used for

- Option A. Water proofing
- Option B. Damp proofing
- Option C. Both (A) and (B)
- Option D. Neither (A) nor (B)

Question: 6. The timber having maximum resistance against white ants, is obtained from

- Option A. Chir
- Option B. Shishum
- Option C. Sal
- Option D. Teak

Question: 7. A stone is rejected if it absorbs water more than

- Option A. 5 %

Option B. 10 %

Option C. 15 %

Option D. 20 %

Question: 8. Asbestos

Option A. Is an excellent insulator for heat and electricity

Option B. Is fire-proof and acid proof

Option C. Has sp. gravity equal to 3.10

Option D. All the above

Question: 9. Bitumen emulsion is

Option A. A liquid containing bitumen in suspension

Option B. A paint

Option C. Used as anti-corrosive paint

Option D. All the above

Question: 10. Seasoning is

Option A. A process of removing sap

Option B. Creosoting

Option C. Painting with sodium silicate

Option D. Coating with tar

Question: 11. The cement becomes unsound by the presence of excess

Option A. Sulphur

Option B. Magnesia

Option C. Lime

Option D. All of these

Question: 12. For a good building stone, its specific gravity should be greater than

Option A. 1.5

Option B. 1.7

Option C. 2.2

Option D. 2.7

Question: 13. The stone suitable for rubble masonry should be.

Option A. Hard

Option B. Tough

Option C. Heavy

Option D. Light

Question: 14. Formula for quick lime, is

Option A. CaCO_3

- Option B. Ca(OH)_2
- Option C. CO_3CO_2
- Option D. None to these

Question: 15. Basalt is

- Option A. Sedimentary rock
- Option B. Metamorphic rock
- Option C. Extrusive igneous rock
- Option D. Intrusive igneous rock

Question: 16. Pick up the correct statement from the following:

- Option A. The baked earth is called terra-cotta
- Option B. The articles prepared from clay which is burnt at low temperature and cooled down slowly, are called earthen-ware
- Option C. The articles prepared from refractory clays which are mixed with stone and crushed pottery, are called stone ware
- Option D. All the above

Question: 17. Sand stone is

- Option A. Sedimentary rock
- Option B. Metamorphic rock
- Option C. Igneous rock
- Option D. Volcanic rock

Question: 18. Knots in timber are

- Option A. Defects caused by crushing fibres
- Option B. Splits radiating from the centre
- Option C. Speckled strains
- Option D. Signs of branches cut off

Question: 19. Bitumen completely dissolves in

- Option A. Carbon bisulphide
- Option B. Chloroform
- Option C. Coal tar
- Option D. All of these

Question: 20. For filling cracks in masonry structures, the type of bitumen used, is

- Option A. Cut-back bitumen
- Option B. Bitumen-emulsion
- Option C. Blown bitumen
- Option D. Plastic bitumen

Question: 21. Stones used for ornamental work must be

- Option A. Soft
- Option B. Hard
- Option C. Light
- Option D. Heavy

Question: 22. Which of the following ingredients of the brick earth enables the brick to retain its shape?

- Option A. Alumina
- Option B. Silica
- Option C. Iron
- Option D. Magnesia

Question: 23. Assertion A : Paints with white lead base are not recommended for painting of iron works. Reason R : Paints with white lead base do not check rusting of iron. Select your answer according to the coding system given below:

- Option A. Both A and R is true and, R is the correct explanation of A
- Option B. Both A and R is true but R is not the correct explanation of A
- Option C. A is true but R is false
- Option D. A is false but R is true

Question: 24. The thermosetting plastic

- Option A. Becomes rigid when moulded at suitable pressure and temperature
- Option B. At 127°C to 177°C permanently set and further application of heat does not soften it
- Option C. Chars at 343°C
- Option D. All the above

Question: 25. The main function of alumina in brick earth is

- Option A. To impart plasticity
- Option B. To make the brick durable
- Option C. To prevent shrinkage
- Option D. To make the brick impermeable

Question: 26. Shingle is

- Option A. Decomposed laterite
- Option B. Crushed granite
- Option C. Water bound pebbles
- Option D. Air weathered rock

Question: 27. The proportions of lime and sand in the mortar normally used in brick construction are

- Option A. 1 : 2

Option B. 1 : 4

Option C. 1 : 6

Option D. 1 : 8

Question: 28. Cast iron

Option A. Is obtained by purifying pig iron

Option B. Is manufactured in required shapes

Option C. May contain 2 to 5 per cent of carbon with other impurities

Option D. All the above

Question: 29. Pick up the correct statement from the following:

Option A. The lime in excess makes the cement unsound and causes the cement to expand and disintegrate

Option B. The silica in excess makes the cement stronger but its setting time also increases

Option C. The excess amount of alumina weakens the cement

Option D. All the above

Question: 30. Percentage of silica in a good brick earth lies between

Option A. 5 to 10 %

Option B. 20 to 30 %

Option C. 50 to 60 %

Option D. 70 to 80 %

Answer Sheet

1	D	
2	A	
3	C	
4	A	
5	C	
6	B	
7	B	
8	D	
9	D	
10	A	
11	D	
12	D	
13	A	
14	A	
15	C	
16	D	
17	A	
18	D	
19	D	
20	D	
21	A	
22	B	
23	A	
24	D	
25	A	
26	A	
27	A	
28	D	
29	D	
30	C	